



FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
1875.0250001APPLICATION NO.
09/722,077APPLICANT
Juin-Hwey ChenFILING DATE
November 27, 2000GROUP
2644

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
M	AA1	2,927,962	03/1960	C.C. Cutler	178	43.5	
	AB1	4,220,819	09/1980	Atal	179	1	
	AC1	4,317,208	02/1982	Araseki et al.	375	27	
	AD1	4,776,015	10/1988	Takeda et al.	381	41	
	AE1	4,791,654	12/1988	De Marca et al.	375	122	
	AF1	4,811,396	03/1989	Yatsuzuka	381	30	
	AG1	4,860,355	08/1989	Copperi	381	36	
	AH1	4,896,361	01/1990	Gerson	381	40	
	AI1	4,918,729	04/1990	Kudoh	381	36	
	AJ1	4,963,034	10/1990	Cuperman et al.	381	36	
M	AK1	4,969,192	11/1990	Chen et al.	381	31	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL1						Yes No
	AM1						Yes No
	AN1						Yes No
	AO1						Yes No
	AP1						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

M	AR	1	E.G. Kimme and F.F. Kuo, "Synthesis of Optimal Filters for a Feedback Quantization System*, " IEEE Transactions on Circuit Theory, The Institute of Electrical and Electronics Engineers, Inc., Vol. CT-10, No. 3, September 1963, pp. 405-413.
M	AS	1	John Makhoul and Michael Berouti, "Adaptive Noise Spectral Shaping and Entropy Coding in Predictive Coding of Speech," IEEE Transactions on Acoustics, Speech, and Signal Processing, IEEE, Vol. ASSP-27, No. 1, February 1979, pp. 63-73.
M	AT	1	Bishnu S. Atal and Manfred R. Schroeder, "Predictive Coding of Speech Signals and Subjective Error Criteria," IEEE Transactions on Acoustics, Speech, and Signal Processing, IEEE, Vol. ASSP-27, No. 3, June 1979, pp. 247-254.

EXAMINER

M. R. Schreder

DATE CONSIDERED

8/19/04

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>mp</i>	AA2	5,007,092	04/1991	Galand et al.	381	36	
	AB2	5,060,269	10/1991	Zinser	381	38	
	AC2	5,204,677	04/1993	Akagiri et al.	341	118	
	AD2	5,313,554	05/1994	Ketchum	395	2.28	
	AE2	5,487,086	01/1996	Bhaskar	375	243	
	AF2	5,493,296	02/1996	Sugihara	341	76	
	AG2	6,014,618	01/2000	Patel et al.	704	207	
	AH2	6,055,496	04/2000	Heidari et al.	704	222	
<i>mm</i>	AI2	6,131,083	10/2000	Miseki et al.	704	217	
	AJ2						
	AK2						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL2						Yes No
	AM2						Yes No
	AN2						Yes No
	AO2						Yes No
	AP2						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>mr</i>	AR	<u>2</u>	Ira A. Gerson and Mark A. Jasiuk, "Techniques for Improving the Performance of CELP-Type Speech Coders," IEEE Journal on Selected Areas in Communications, IEEE, Vol. 10, No. 5, June 1992, pp. 858-865.
<i>mc</i>	AS	<u>2</u>	Cheng-Chieh Lee, "An Enhanced ADPCM Coder for Voice Over Packet Networks," International Journal of Speech Technology, Kluwer Academic Publishers, 1999, pp.343-357.
	AT	<u>2</u>	

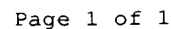
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FORM PTO-1449

ATTY. DOCKET NO.
1875.0250001

APPLICATION NO.
09/722,077

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

APPLICANT
Juin-Hwey Chen

FILING DATE
November 27, 2000

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2644

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL1						Yes No
	AM1						Yes No
	AN1						Yes No
	AO1						Yes No
	AP1						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

ME	AR	<u>1</u>	Marcellin, M.W. and Fischer, T.R., "A Trellis-Search 16 KBIT/SEC Speech Coder with Low-Delay," <i>Proceedings of the Workshop on Speech Coding for Telecommunications</i> , Kluwer Publishers, 1989, pp. 47-56.
ME	AS	<u>1</u>	Watts, L. and Cuperman, V., "A Vector ADPCM Analysis-By-Synthesis Configuration for 16 kbit/s Speech Coding," <i>Proceedings of the Global Telecommunications Conference and Exhibiton (Globecom)</i> , IEEE, 1988, pp. 275-279.
ME	AT	<u>1</u>	Copy of International Search Report issued May 3, 2002 for Appln. No. PCT/US01/42786, 6 pages.

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FORM PTO-1449

**FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**ATTY. DOCKET NO.
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Juin-Hwey CHENFILING DATE
November 27, 2000GROUP
2654**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA1						
	AB1						
	AC1						
	AD1						
	AE1						
	AF1						
	AG1						
	AH1						
	AI1						
	AJ1						
	AK1						

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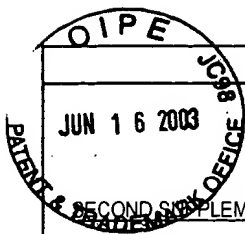
FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
<i>MU</i>	AL1	0 573 216 A2	12/8/93	Europe			Yes No
	AM1						Yes No
	AN1						Yes No
	AO1						Yes No
	AP1						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>MO</i>	AR	<u>1</u>	Hayashi, S. et al., "Low Bit-Rate CELP Speech Coder with Low Delay," <i>Signal Processing</i> , Elsevier Science B.V., Vol. 72, 1999, pp. 97-105.
<i>MO</i>	AS	<u>1</u>	Tokuda, K. et al., "Speech Coding Based on Adaptive Mel-Cepstral Analysis," <i>IEEE</i> , 1994, pp. I-197-I-200.
<i>MO</i>	AT	<u>1</u>	Copy of International Search Report issued September 11, 2002 for Appln. No. PCT/US01/42787, 6 pages.

EXAMINER *mmCpand*DATE CONSIDERED *8/19/04***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



JUN 16 2003

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SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
M	AA1	5,963,898	10/1999	Navarro <i>et al.</i>			
	AB1						
	AC1						
	AD1						
	AE1						
	AF1						
	AG1						
	AH1						
	AI1						
	AJ1						
	AK1						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL1						Yes No
	AM1						Yes No
	AN1						Yes No
	AO1						Yes No
	AP1						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

mo	AR	1	Marcellin, M.W. <i>et al.</i> , "Predictive Trellis Coded Quantization of Speech," <i>IEEE Transactions on Acoustics, Speech, And Signal Processing</i> , Vol. 38, No. 1, IEEE, pp. 46-55 (January 1990).
mo	AS	1	Copy of Written Opinion from PCT Appl. No. PCT/US01/42786, 4 Pages (mailed February 21, 2003).
	AT	1	

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mm/ps

DATE CONSIDERED

8/19/04

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